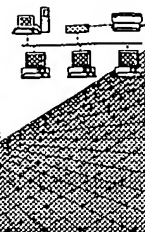


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

10/070,406

Source:

PT/10

Date Processed by STIC:

2/11/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual- ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

10/070,406

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213> Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



PCT

RAW SEQUENCE LISTING

DATE: 02/11/2003

PATENT APPLICATION: US/10/070,406

TIME: 14:02:46

Input Set : A:\P4251331.app

Output Set: N:\CRF4\02112003\J070406.raw

3 <110> APPLICANT: NEW ZEALAND DAIRY BOARD
 5 <120> TITLE OF INVENTION: Improved Bioactive Whey Protein Hydrolysate
 7 <130> FILE REFERENCE: P425133 CJE
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/070,406
 C--> 10 <141> CURRENT FILING DATE: 2002-10-07
 12 <150> PRIOR APPLICATION NUMBER: NZ 506866
 13 <151> PRIOR FILING DATE: 2000-09-11
 15 <160> NUMBER OF SEQ ID NOS: 8
 17 <170> SOFTWARE: PatentIn Ver. 2.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 3
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Peptide
 24 <400> SEQUENCE: 1
 25 Ser Ala Pro
 26 1
 29 <210> SEQ ID NO: 2
 30 <211> LENGTH: 3
 31 <212> TYPE: PRT
 32 <213> ORGANISM: Peptide
 34 <400> SEQUENCE: 2
 35 Met Lys Gly
 36 1
 39 <210> SEQ ID NO: 3
 40 <211> LENGTH: 5
 41 <212> TYPE: PRT
 42 <213> ORGANISM: Peptide
 44 <400> SEQUENCE: 3
 45 Ala Leu Pro Met His
 46 1 5
 49 <210> SEQ ID NO: 4
 50 <211> LENGTH: 5
 51 <212> TYPE: PRT
 52 <213> ORGANISM: Peptide
 54 <400> SEQUENCE: 4
 55 Leu Ile Val Thr Gln
 56 1 5
 59 <210> SEQ ID NO: 5
 60 <211> LENGTH: 6
 61 <212> TYPE: PRT
 62 <213> ORGANISM: Peptide
 64 <400> SEQUENCE: 5
 65 Val Ser Leu Pro Glu Trp

(global error)

invalid response
 see item 10 on
 Error Summary
 Sheet

Does Not Comply
 Corrected Diskette Needed

pp 1-2

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/070,406

DATE: 02/11/2003

TIME: 14:02:46

Input Set : A:\P4251331.app

Output Set: N:\CRF4\02112003\J070406.raw

66 1 5
69 <210> SEQ ID NO: 6
70 <211> LENGTH: 5
71 <212> TYPE: PRT
72 <213> ORGANISM: Peptide
74 <400> SEQUENCE: 6
75 Ile Asn Tyr Trp Leu
76 1 5
79 <210> SEQ ID NO: 7
80 <211> LENGTH: 12
81 <212> TYPE: PRT
82 <213> ORGANISM: Peptide
84 <400> SEQUENCE: 7
85 Leu Lys Pro Thr Pro Glu Gly Asp Leu Glu Ile Leu
86 1 5 10
89 <210> SEQ ID NO: 8
90 <211> LENGTH: 12
91 <212> TYPE: PRT
92 <213> ORGANISM: Peptide
94 <400> SEQUENCE: 8
95 Leu Lys Gly Tyr Gly Gly Val Ser Leu Pro Glu Trp
96 1 5 10

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/070,406

DATE: 02/11/2003
TIME: 14:02:47

Input Set : A:\P4251331.app
Output Set: N:\CRF4\02112003\J070406.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:8; Line(s) 100,101,102,103,104,105,106,107,108,109,110,111,112,113,114
Seq#:8; Line(s) 115,116,117,118,119,120,121,122,123,124,125,126,127,128,129
Seq#:8; Line(s) 130,131,132,133,134,135,136,137,138,139,140,141,142,143,144
Seq#:8; Line(s) 145,146,147,148,149,150,151,152,153,154,155,156,157,158,159
Seq#:8; Line(s) 160,161,162,163,164,165,166,167,168,169,170,171

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/070,406

DATE: 02/11/2003

TIME: 14:02:47

Input Set : A:\P4251331.app

Output Set: N:\CRF4\02112003\J070406.raw

L:9 M:270 C: Current Application Number differs, Replaced Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date